

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---------------|--|------------------|---------|------------------|
| S14 5 | 2 | "6634735".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/24 13:52 |
| S14 6 | 128 | 347/60.ccls. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 16:07 |
| S14 7 | 128 | S146 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 14:41 |
| S14 8 | 1086 | 347/14.ccls. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:43 |
| S14 9 | 1086 | S148 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 14:43 |
| S15 0 | 405 | 347/17.ccls. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:44 |
| S15 1 | 405 | S150 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 14:44 |
| S15 2 | 255 | 347/57.ccls. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:44 |
| S15 3 | 255 | S152 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 14:45 |
| S15 4 | 455 | 347/16.ccls. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 14:45 |
| S15 5 | 455 | S154 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 14:45 |

EAST Search History

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| S15 6 | 2649 | 347/19.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 14:45 |
| S15 7 | 40 | (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:21 |
| S15 8 | 1 | (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) same before same print\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:10 |
| S15 9 | 7 | S147 and (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:27 |
| S16 0 | 9 | S149 and (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:29 |
| S16 1 | 5 | S151 and (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:29 |
| S16 2 | 0 | S153 and (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:30 |
| S16 3 | 0 | S155 and (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:30 |

EAST Search History

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| S16 4 | 9 | S156 and (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:31 |
| S16 5 | 10 | (supply\$3 apply\$3 generate\$3) same (pre-heat\$3 pre-warm\$3) near (signal pulse) same (heater resistor (heater adj element)) same (eject\$3 discharge\$3 record\$3 jet\$3) adj (nozzle orifice port) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:34 |
| S16 6 | 2 | "6927368".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:49 |
| S16 7 | 2 | "6382768".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 16:57 |
| S16 8 | 2 | "5731828".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 17:04 |
| S16 9 | 98 | (pre-heat\$3 pre-warm\$3) same (eject\$3 discharge\$3 record\$3 jet\$3) near (heater resistor (heater adj element) (energy adj generating adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 17:07 |
| S17 0 | 9 | S147 and (pre-heat\$3 pre-warm\$3) same (eject\$3 discharge\$3 record\$3 jet\$3) near (heater resistor (heater adj element) (energy adj generating adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 17:07 |
| S17 1 | 98 | (pre-heat\$3 pre-warm\$3) same (eject\$3 discharge\$3 record\$3 jet\$3) near (heater resistor (heater adj element) (energy adj generating adj element)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 14:21 |

EAST Search History

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|----------|------|--|---|----|----|------------------|
| S17 2 | 98 | S171 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:15 |
| S17 3 | 635 | 347/17.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 09:22 |
| S17 4 | 8 | S172 and S173 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 09:24 |
| S17 5 | 1271 | 347/14.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 09:26 |
| S17 6 | 16 | S172 and S175 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 09:53 |
| S17 7 | 36 | (ink fluid liquid) near (jet\$3 eject\$3 discharge\$3 record\$3) near head same (eject\$3 jet\$3 record\$3 discharge\$3) near (nozzle orifice port) same non adj (eject\$3 jet\$3 discharge\$3 record\$3) near (nozzle orifice port) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:06 |
| S17 8 | 165 | 347/60.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:15 |
| S17 9 | 0 | S177 and S178 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:16 |

EAST Search History

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|----------|---|--|---|----|----|------------------|
| S18 0 | 0 | S173 and S177 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 10:16 |
| S18 1 | 4 | S177 and (pre-heat\$3 pre-warm\$3) near (signal pulse) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 12:48 |
| S18 2 | 7 | "667211".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 12:48 |
| S18 3 | 2 | "6672711".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 12:54 |
| S18 4 | 4 | 347/60.ccls. and (heat\$3 adj only) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:06 |
| S18 5 | 1 | 347/60.ccls. and (preheat\$3 adj only) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:09 |
| S18 6 | 0 | 347/60.ccls. and (preheat\$3 adj only) same (heater resistor (heater adj element)) same require\$3 same (eject\$3 jet\$3 record\$3 discharge\$3) near (nozzle orifice port) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:11 |
| S18 7 | 0 | (preheat\$3 adj only) same (heater resistor (heater adj element)) same require\$3 same (eject\$3 jet\$3 record\$3 discharge\$3) near (nozzle orifice port) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:11 |

EAST Search History

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| S18 8 | 0 | (preheat\$3 adj only) same (heater resistor (heater adj element)) same (eject\$3 jet\$3 record\$3 discharge\$3) near (nozzle orifice port) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:11 |
| S18 9 | 2 | "20020018086" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:12 |
| S19 0 | 11 | ("4746935" "4982199" "5107276" "5172134" "5475405" "5774137" "5992979" "6145948" "6257691" "6270180" "6310636").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/05/02 13:40 |
| S19 1 | 0 | ("6672711").URPN. | USPAT | OR | ON | 2007/05/02 13:55 |
| S19 2 | 0 | ("2002/0018086").URPN. | USPAT | OR | ON | 2007/05/02 13:55 |
| S19 3 | 8 | ("6994426" "6945633" "6241333" "6601936").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 14:25 |
| S19 4 | 0 | after near (ink fluid liquid) near (eject\$3 discharge\$3 record\$3 jet\$3) same (heater resistor (electrothermal adj (converter transducer))) same (cease stop omit) near (generate\$3 supply\$3) same (preheating prewarming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 15:03 |
| S19 5 | 0 | after same (ink fluid liquid) near (eject\$3 discharge\$3 record\$3 jet\$3) same (heater resistor (electrothermal adj (converter transducer))) same (cease stop omit) near (generate\$3 supply\$3) same (preheating prewarming) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 15:03 |
| S19 6 | 0 | (prewarm\$3 preheat\$3) adj (signal pulse) same (heater resistor (heater adj element) (electrothermal adj (converter transducer))) same generate\$3 same predefined adj select\$3 adj (criteria data) same after same (preheat\$3 prewarm\$3) adj (stop cease) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 15:05 |

EAST Search History

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| S19 7 | 1 | ((preheat\$3 prewarm\$3) adj only) same before near print\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 15:58 |
| S19 8 | 1 | (preheat\$3 prewarm\$3) adj (heater resistor (heater adj element) (electrothermal adj (converter transducer))) same before near print\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 16:06 |
| S19 9 | 44 | (preheat\$3 prewarm\$3) same (heater resistor (heater adj element) (electrothermal adj (converter transducer))) same before near print\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 16:13 |
| S20 0 | 3 | S178 and S199 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 16:16 |
| S20 1 | 1 | S173 and S199 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 16:16 |